

# WEAR CHECK

Your specialist in Oil, Fuel, Grease & Coolant Analysis

Petrol Engine



UNIT NO.	338-IA	DATE SAMPLED	14-Jan-13	COMPARTMENT NAME	motul 7100
UNIT MAKE	Suzuki	DATE RECEIVED	14-Jan-13	COMPARTMENT MAKE	
UNIT MODEL	GSXR 750	DATE REPORTED	15-Jan-13	COMPARTMENT MODEL	
UNIT SERIAL NO.				COMPARTMENT SERIAL NO.	
SYSTEM CAPACITY	Ltrs			MACHINE LOCATION	Brisbane

DATE SAMPLED		14-Jan-13	14-Nov-12
SAMPLE NO.		6336144	12818298
COMPONENT	Hrs		73000
MACHINE	Hrs		73000
OIL	Hrs		3000
OIL MAKE		Motul	Motul
OIL TYPE		Motul 7100	Motul 7100
OIL GRADE		10W40	10W40
OIL ADDED	Ltrs		
FILTER	Hrs		3000
OIL CHANGED			Not Changed

## Metals (ppm)

Aluminium (Al)	5	<1
Copper (Cu)	6	<1
Chromium (Cr)	<1	<1
Iron (Fe)	17	1
Lead (Pb)	2	<1
Tin (Sn)	1	<1
Nickel (Ni)	2	<1

## Contaminants and Additives (ppm)

Silicon (Si)	30	17
Boron (B)	69	94
Sodium (Na)	5	2
Potassium (K)	1	<1
Phosphorus (P)	905	962
Molybdenum (Mo)	1	<1
Magnesium (Mg)	24	6
Calcium (Ca)	2265	2552
Zinc (Zn)	986	1053

## Physical Tests

Water (%)	<0.1	<0.1
Nitration (Abs)	6.9	4.0
Viscosity (cSt,40°C)	80	91
PQ Index	<10	<10
Glycol (Abs)	<0.1	1.1
Petrol (% by Distillation)	--	--
Oxidation (Abs)	21.0	19.1

WC  
10002406544



UIN 0302D98

## DIAGNOSIS

### Current Sample :

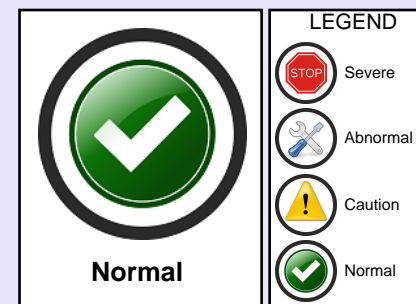
All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range.

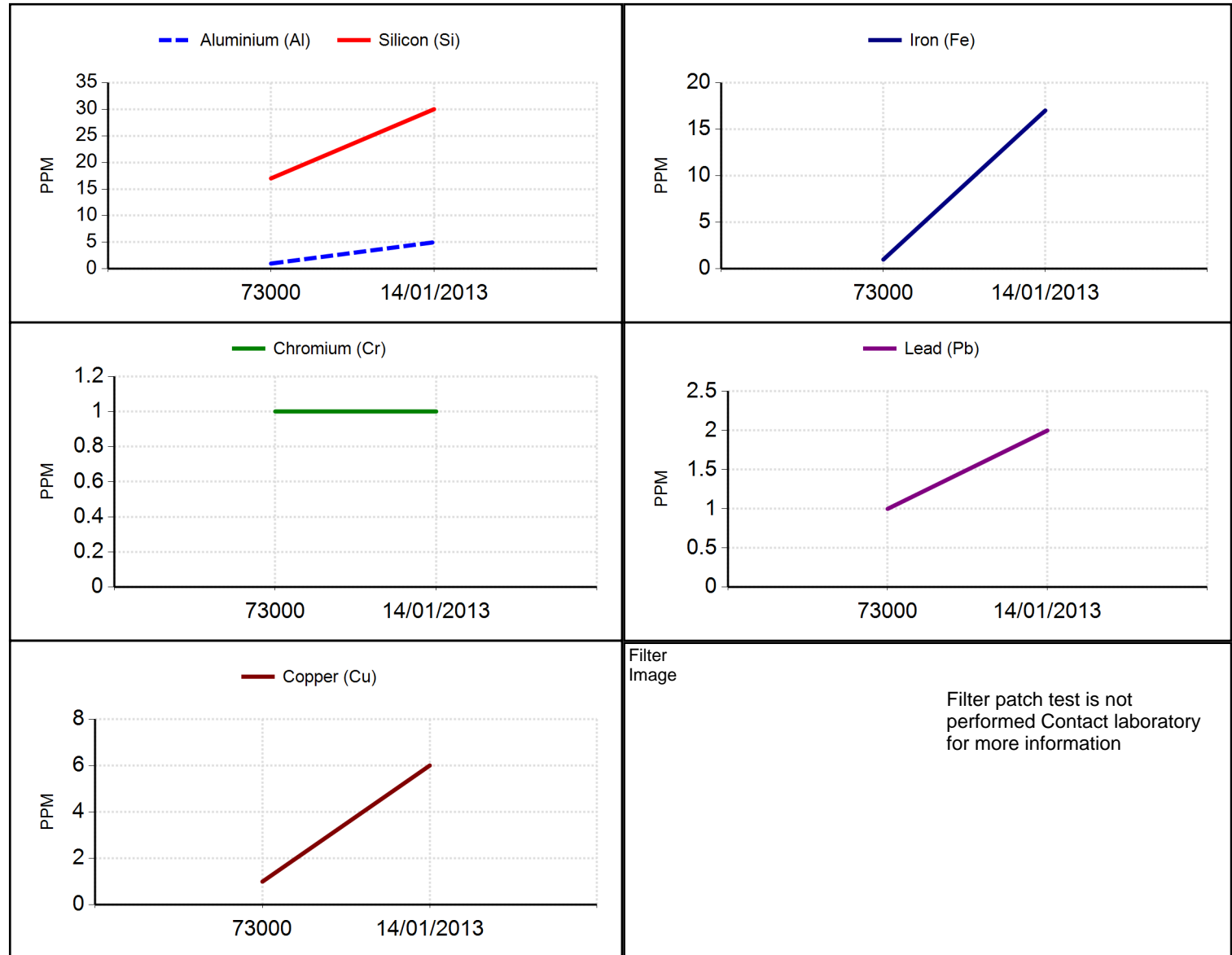
Action: Resample next service interval to further monitor.

Awaiting fuel dist test

### Last Sample :

Results were obtained on the sample as received.





"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sampling techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."

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